



<110> Renauld, Jean-Christophe
Dumoutier, Laure

<120> Isolated Nucleic Acid Molecules Which Encode A Soluble IL-TIF/IL-22 Receptor or Binding Protein Which Binds to IL-TIF/IL-22, And Uses Thereof

<130> LUD 5684.2

<140> US 09/919,162
<141> 2001-31-07

<150> US 60/245,495
<151> 2000-03-11

<150> US60/234,583
<151> 2000-22-09

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| gagctggta | aaaggaacac | tggttgcctg | aacagtca | cttgcacca | tgtgccta | 120 |
| acattgctt | ctaggcttcc | tcatcagtt | cttcctact | ggtagcag | gaactcagtc | 180 |
| aacgcata | gctctgaagc | ctcagaggt | acaatttcag | tcccgaatt | ttcacaacat | 240 |
| tttgcata | cagcctggga | gggcacttac | tggcaacagc | agtgtctatt | ttgtgcagta | 300 |
| caaaaata | ggacagagac | aatggaaaaa | taaagaagac | tgttgggta | ctcaagaact | 360 |
| ctcttgtac | cttaccagt | aaacctcaga | catacaggaa | ccttattacg | ggagggtgag | 420 |
| ggcggcctcg | gctggagct | actcagaatg | gagcatgacg | ccgcggttca | ctccctgggt | 480 |
| ggaaacaaaa | atagatcctc | cagtcatgaa | tataacccaa | gtcaatgct | cttgggtgt | 540 |
| aattctccat | gctccaaatt | taccatata | atacaaaag | aaaaaaaatg | tatctataga | 600 |
| agattactat | gaactactat | accgagttt | tataattaac | aattcactag | aaaaggagca | 660 |
| aaaggtttat | gaaggggctc | acagagcgt | tgaattgaa | gctcta | acacactccag | 720 |
| ctactgtgt | gtggctgaaa | tatatcagcc | catgttagac | agaagaagtc | agagaagtga | 780 |
| agagagatgt | gtggaaattc | catgacttgt | ggaatttggc | attcagcaat | gtgaaaattc | 840 |
| taaagctccc | tgagaacagg | atgactcgt | tttgaaggat | cttatttaaa | attgttttg | 900 |
| tatTTCTTA | aagcaatatt | cactgttaca | ccttggggac | tttcttgtt | atccattctt | 960 |
| ttatcctta | tatttcattt | gtaaaactata | tttgaacgac | atccccccg | aaaaattgaa | 1020 |
| atgtaaagat | gaggcagaga | ataaaagtgtt | ctatgaaatt | cagaactta | ttctgaatg | 1080 |
| taacatccct | aataacaacc | ttcattcttc | taatacagca | aaataaaaat | ttaacaacca | 1140 |
| aggaatagta | tttaagaaaa | tgttggaaaata | attttttaa | aatagcatta | cagactgagg | 1200 |
| cggcctgaa | gcaatggttt | ttcactctct | tattgagcca | attaaatgta | cattgctttg | 1260 |
| acaatttaaa | acttctataa | aggtgaatat | tttctatata | tttctatattt | atatgaatat | 1320 |
| acttttata | tatTTTTAT | tatTTTTAT | ttctacttaa | tgaatcaaaa | ttttgtttt | 1380 |
| aagtctactt | tatgtaaata | agaacaggtt | ttggggaaaa | aaatctttag | atttctggat | 1440 |
| tgatatctga | attaaaacta | tcaacaacaa | ggaagtctgc | tctgtacaat | tgtccctcat | 1500 |
| ttaaaaagata | tattaagctt | ttctttctg | tttggggat | ttttgtttttag | tttttaatcc | 1560 |
| tgtcttagaa | gaacttatct | ttattctcaa | aattaaatgt | aattttttta | gtgacaaaga | 1620 |
| agaaaggaaa | cctcattact | caatccttct | ggccaagagt | gtcttgcttgc | tggcgccttc | 1680 |
| ctcatctcta | tataggagga | tcccataat | gatgtttat | tgggaaactgc | tgggttcgac | 1740 |
| cccatacaga | gaactcagct | tgaagctgga | agcacacagt | gggttagcagg | agaaggaccg | 1800 |
| gtgttggtag | gtgcctacag | agactataga | gctagacaaa | gccctccaaa | ctggcccctc | 1860 |
| ctgctactg | cctcctctga | gtagaaatct | ggtgacctaa | ggctcagttgt | ggtaacaga | 1920 |
| aagctgcctt | tttcacttga | ggctaagttct | tcatatatgt | ttaagggtgt | cttcttagtg | 1980 |
| aggagataca | tatcagagaa | catttgtaca | attccccatg | aaaattgctc | caaagttgat | 2040 |
| aacaatata | tcgggtcttc | tagttatata | caagactca | gtgataatg | gattaaaaaa | 2100 |
| tattcagaaa | tgtattgggg | ggtggagggag | aataagagc | agagcaagag | ctagagaatt | 2160 |
| ggtttccttg | cttccctgt | tgctcagaaa | acattgattt | gagcatagac | gcagagactg | 2220 |
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| Thr | Gly | Val | Ala | Gly | Thr | Gln | Ser | Thr | His | Glu | Ser | Leu | Lys | Pro | Gln |
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| Arg | Val | Gln | Phe | Gln | Ser | Arg | Asn | Phe | His | Asn | Ile | Leu | Gln | Trp | Gln |
| | | | | | | 35 | | | 40 | | | | | | 45 |
| Pro | Gly | Arg | Ala | Leu | Thr | Gly | Asn | Ser | Ser | Val | Tyr | Phe | Val | Gln | Tyr |
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| Lys | Ile | Tyr | Gly | Gln | Arg | Gln | Trp | Lys | Asn | Lys | Glu | Asp | Cys | Trp | Gly |
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| Thr | Gln | Glu | Leu | Ser | Cys | Asp | Leu | Thr | Ser | Glu | Thr | Ser | Asp | Ile | Gln |

| 85 | 90 | 95 |
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| Glu Pro Tyr Tyr | Gly Arg Val Arg Ala Ala Ser Ala Gly Ser Tyr Ser | |
| 100 | 105 | 110 |
| Glu Trp Ser Met Thr Pro Arg Phe Thr Pro Trp Trp Glu Thr Lys Ile | | |
| 115 | 120 | 125 |
| Asp Pro Pro Val Met Asn Ile Thr Gln Val Asn Gly Ser Leu Leu Val | | |
| 130 | 135 | 140 |
| Ile Leu His Ala Pro Asn Leu Pro Tyr Arg Tyr Gln Lys Glu Lys Asn | | |
| 145 | 150 | 155 |
| Val Ser Ile Glu Asp Tyr Tyr Glu Leu Leu Tyr Arg Val Phe Ile Ile | | |
| 165 | 170 | 175 |
| Asn Asn Ser Leu Glu Lys Glu Gln Lys Val Tyr Glu Gly Ala His Arg | | |
| 180 | 185 | 190 |
| Ala Val Glu Ile Glu Ala Leu Thr Pro His Ser Ser Tyr Cys Val Val | | |
| 195 | 200 | 205 |
| Ala Glu Ile Tyr Gln Pro Met Leu Asp Arg Arg Ser Gln Arg Ser Glu | | |
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| Glu Arg Cys Val Glu Ile Pro | | |
| 225 | 230 | |

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gcacatttct tgtaacttcc caggctgcag aacattggct aaatatggac agagacaatg 420

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| ctcagacata | caggaacctt | attacggag | ggtgaggcg | gcctcggt | ggagctactc | 540 |
| agaatggagc | atgacgcccgc | gttcactcc | ctgggtggaa | acaaaaatag | atccctccagt | 600 |
| catgaatata | acccaagtca | atggctctt | gttggtaatt | ctccatgctc | caaatttacc | 660 |
| atataagatac | caaaaggaaa | aaaatgtatc | tatagaagat | tactatgaac | tactataccg | 720 |
| agttttata | attaacaatt | cactagaaaa | ggagcaaaag | gtttatgaag | gggctcacag | 780 |
| agcgggttcaa | attgaagctc | taacaccaca | ctccagctac | tgtgtatgg | ctgaaatata | 840 |
| tcagccccatg | ttagacagaa | gaagtcagag | aagtgaagag | agatgtgtgg | aaattccatg | 900 |
| acttgtggaa | tttggcattc | agcaatgtgg | aaattctaaa | gctccctgag | aacaggatga | 960 |
| ctcgttttgc | aaggatctta | ttttaaaatg | tttttgtatt | ttcttaaagc | aatattcact | 1020 |
| gttacacctt | ggggacttct | ttgtttatcc | attctttat | cctttatatt | tcatttgtaa | 1080 |
| actatatttg | aacgcattc | cccccgaaaa | attgaaatgt | aaagatgagg | cagagaataa | 1140 |
| agtgttctat | gaaattcaga | actttatttc | tgaatgtaac | atccctaata | acaaccttca | 1200 |
| ttcttctaat | acagcaaaat | aaaaatttaa | caaccaagga | atagtatttta | agaaaatgtt | 1260 |
| gaaataattt | ttttaaaata | gcattacaga | ctgaggcggt | cctgaagcaa | tgggtttca | 1320 |
| ctctcttatt | gagccaattt | aattgacatt | gctttgacaa | ttttaaaactt | ctataaaggt | 1380 |
| gaatattttt | catacatttc | tatTTtat | gaatatactt | tttatatat | tattatttt | 1440 |
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| caggTTTGG | ggaaaaaaat | cttatgattt | ctggattgt | atctgaattt | aaactatcaa | 1560 |
| caacaaggaa | gtctgctctg | tacaatttgc | cctcatttaa | aagatataattt | aagctttct | 1620 |
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| ccttctggcc | aagagtgtct | tgcttgtggc | gccttcctca | tctctatata | ggaggatccc | 1800 |
| atgaatgatg | gtttatttggg | aactgctggg | gtcgacccca | tacagagaac | tcagcttgaa | 1860 |
| gctgaaagca | cacagtgggt | agcaggagaa | ggaccgggt | tggtaggtgc | ctacagagac | 1920 |
| tatagagcta | gacaaagccc | tccaaactgg | cccctccgtc | tcactgcctc | tcctgagtag | 1980 |
| aaatctggtg | acctaaggct | cagtgtggc | aacagaaaagc | tgccttcctc | acttgaggct | 2040 |
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| tgtacaattt | cccatgaaaa | ttgctccaaa | gttgataaca | atatagtcgg | tgcttctagt | 2160 |
| tatatgcaag | tactcagtga | taaatggattt | aaaaaatattt | cagaaatgtt | ttgggggggtg | 2220 |
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| Thr | Gly | Val | Ala | Gly | Thr | Gln | Ser | Thr | His | Glu | Ser | Leu | Lys | Pro | Gln |
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| Arg | Val | Gln | Phe | Gln | Ser | Arg | Asn | Phe | His | Asn | Ile | Leu | Gln | Trp | Gln |
| | | | | | | 35 | | | 40 | | | | | | 45 |
| Pro | Gly | Arg | Ala | Leu | Thr | Gly | Asn | Ser | Ser | Val | Tyr | Phe | Val | Gln | Tyr |
| | | | | | | 50 | | | 55 | | | | | | 60 |
| Lys | Ile | Met | Phe | Ser | Cys | Ser | Met | Lys | Ser | Ser | His | Gln | Ser | Gln | Val |
| | | | | | | | 65 | | 70 | | | | | | 80 |
| Asp | Ala | Trp | Gln | His | Ile | Ser | Cys | Asn | Phe | Pro | Gly | Cys | Arg | Thr | Leu |
| | | | | | | | 85 | | 90 | | | | | | 95 |
| Ala | Lys | Tyr | Gly | Gln | Arg | Gln | Trp | Lys | Asn | Lys | Glu | Asp | Cys | Trp | Gly |
| | | | | | | | 100 | | 105 | | | | | | 110 |
| Thr | Gln | Glu | Leu | Ser | Cys | Asp | Leu | Thr | Ser | Glu | Thr | Ser | Asp | Ile | Gln |
| | | | | | | | 115 | | 120 | | | | | | 125 |
| Glu | Pro | Tyr | Tyr | Gly | Arg | Val | Arg | Ala | Ala | Ser | Ala | Gly | Ser | Tyr | Ser |

| 130 | 135 | 140 | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Trp | Ser | Met | Thr | Pro | Arg | Phe | Thr | Pro | Trp | Trp | Glu | Thr | Lys | Ile |
| 145 | | | | | | | 150 | | | | 155 | | | | 160 |
| Asp | Pro | Pro | Val | Met | Asn | Ile | Thr | Gln | Val | Asn | Gly | Ser | Leu | Leu | Val |
| | | | | | | | 165 | | | | 170 | | | | 175 |
| Ile | Leu | His | Ala | Pro | Asn | Leu | Pro | Tyr | Arg | Tyr | Gln | Lys | Glu | Lys | Asn |
| | | | | | | | 180 | | | | 185 | | | | 190 |
| Val | Ser | Ile | Glu | Asp | Tyr | Tyr | Glu | Leu | Leu | Tyr | Arg | Val | Phe | Ile | Ile |
| | | | | | | | 195 | | | | 200 | | | | 205 |
| Asn | Asn | Ser | Leu | Glu | Lys | Glu | Gln | Lys | Val | Tyr | Glu | Gly | Ala | His | Arg |
| | | | | | | | 210 | | | | 215 | | | | 220 |
| Ala | Val | Glu | Ile | Glu | Ala | Leu | Thr | Pro | His | Ser | Ser | Tyr | Cys | Val | Val |
| | | | | | | | 225 | | | | 230 | | | | 240 |
| Ala | Glu | Ile | Tyr | Gln | Pro | Met | Leu | Asp | Arg | Arg | Ser | Gln | Arg | Ser | Glu |
| | | | | | | | 245 | | | | 250 | | | | 255 |
| Glu | Arg | Cys | Val | Glu | Ile | Pro | | | | | | | | | |
| | | | | | | | 260 | | | | | | | | |